Soulamea amara, 280

Specialization of Vessels in the Metaxylem of Gramineae, Cyperaceae, Juncaceae, and Restionaceae, The Taxonomic Use of, 141

Sporobolus domingensis, 223

- pyramidatus, 223

Squamellaria imberbis, 289

- wilsonii, 289

Stachytarpheta jamaicensis, 214, 237

Staff of the Arnold Arboretum 1954-1955, 431

Stalk Diameter as a Factor in Fruit Size, 267

Steeves, Taylor A. and Margery P. F. Marsden. On the Primary Vascular System and the Nodal Anatomy of Ephedra, 241

Stegnosperma cubense, 214, 217, 226

- halimifolium, 226

Stigmaphyllum lingulatum sericans, 229

Stillingia pacifica, 281 Storckiella vitiensis, 279 Strombus gigas, 216

Strumpfia maritima, 215, 238

Strychnos vitiensis, 287

Studies on the Progeny of Triploid Philadelphus and Forsythia, 369

Sukunia pentagonioides, 288 Suriana maritima, 214, 216, 229

Symplocos leptophylla, 287

— turrilliana, 287 Svringa inodora, 56

- suaveolens, 99

Tabebuia ostenfeldii, 217, 221, 237

Talauma, 126

Talinum paniculatum, 220, 227

Tapeinosperma, 286

Taveunia trichospadix, 275

Taxonomic Revision of Podocarpus, A. IX. The South Pacific Species of Section Eupodocarpus, Subsection F, 199

Taxonomic Use of Specialization of Vessels in the Metaxylem of Gramineae, Cyperaceae, Juncaceae, and Restionaceae, The, 141

Tephrosia cinerea, 214, 228

Tetranthus cupulatus, 238

Tetrastigma vitiensis, 283

Thalassia testudinum, 222

Thespesia populnea, 216, 232

Thunbergia grandiflora, 399

Tillandsia balbisiana, 223

- circinnata, 223

- recurvata, 223

- usneoides, 223

- utriculata, 224

Trema, 222

Tribulus cistoides, 229

- terrestris, 398

Trichadenia, 161

- philippensis, 161

Trichilia cuneifolia, 216, 217, 229

Triploid Philadelphus and Forsythia, Studies on the Progeny of, 369

Tristania vitiensis, 286

Turnera ulmifolia, 233

Ulbrichia beatensis, 217, 221, 232

Vascular System and the Nodal Anatomy of Ephedra, On the Primary, 241

Vegetation of Beata and Alta Vela Islands, Hispaniola, The, 209

Veitchia joannis, 275

- storckii, 274, 275

Ventilago vitiensis, 282

Vitiphoenix, 275

Waltheria americana, 233

Wenzelia kambarae, 279

WETMORE, RALPH H. AND SERGEI SORO-KIN. On the Differentiation of Xylem, 305

Wood and Nodal Anatomy, The Comparative Morphology and Relationships of the Magnoliaceae — IV., 119

Wormia, 284

Xanthophytum calycinum, 288 Xylem, On the Differentiation of, 305 Xylopia, 278

Zanthoxylum, 222 Zephyranthes bifolia, 217, 224